

## A FEW APHIDS ON PINE.

By GEORGE F. KNOWLTON, Logan, Utah.

The writer is indebted to Professor M. A. Palmer for most of the following identifications:

- Essigella californica* (Essig) on *Pinus murrayana* at Logan, June 5, 1942; on *Pinus ponderosa* at Flagstaff, Arizona, September 23, 1944; Verdi, Nevada, August 17, 1945.
- E. fusca* G.-P. on *Pinus ponderosa*, Beaver Canyon, July 12, 1945, and Amazon Mine, Logan Canyon, August 5, 1939, in Utah; Spirit Lake and Coeur d'Alene, Idaho, August 1938 (L. L. Hansen).
- E. pini* Wilson on *Pinus*, Grand Canyon of the Snake River, Wyoming, September 11, 1941; *Pinus ponderosa*, Marysvale Canyon, Utah, June 11, 1943; Cameron Pass and Gould, Colorado, August 1940.
- Eulachnus rileyi* (Williams) on Austrian pine, Logan, Utah, June 20, 1942, and Salt Lake City, July 1939; *Pinus sylvestris*, Plain City, Utah, October 9, 1939 (Knowlton—E. Wayment); *Pinus ponderosa*, Flagstaff, Arizona, September 23, 1944.
- Cinara schwarzii* (Wilson) on *Pinus ponderosa*, Mt. Nebo, Utah, August 14, 1943; Broadview, Montana, July 2, 1942 (H. F. Thornley).
- C. sibiricae* (G.-P.) on *Juniperus siberica*, Uintah Canyon, Utah, August 25, 1940; Mt. Timpanogas, July 26, 1945.
- C. splendens* (G.-P.) on *Pseudotsuga taxifolia*, Puyallup, Washington, September 3, 1937 (H. C. Bennion). A species near *splendens*, Smithfield Canyon, Utah, July 15, 1937 (Knowlton—C. J. Davis).
- C. apini* (G.-P.) on *Pinus flexilis*, Beaver Creek, Idaho, August 13 and 29, 1937 (C. F. Smith).
- C. gracilis* (Wilson) on *Pinus virginiana*, Clarks Valley, Pa., May 4, 1930 (J. N. Knull).
- C. lasiocarpae* (G.-P.) on *Abies grandis*, Minersville, Oregon, May 23, 1939 (Det. P. W. Mason).
- C. murrayanae* (G.-P.) on *Pinus murrayana*, Logan, Utah, June 5, 1942; pine, Manassa, Colorado, June 11, 1943 (B. A. Haws).
- C. palmerae* (Gill.), on *Picea pungens*, Smithfield, Utah, July 31, 1939; Logan, Utah, July 12, 1939 (Knowlton—C. J. Davis).
- C. pini* (L.) on Scotch pine, Logan, Utah, July 19 and September 17, 1938, (Knowlton—W. P. Nye).

*C. ponderosae* (Wms.) on *Pinus ponderosa*, Beaver Creek Canyon of Logan Canyon, Utah, July 10, 1942; *P. contorta*, on north along Beaver Creek, in So. Idaho, July 23, 1937 (Knowlton-C. F. Smith).

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**Western Dolichopodidae Notes.**—The following long-legged flies were collected during the latter part of July 1946, on a vacation trip to Waterton National Park, Alberta, Canada, to attend the International Great Plains Conference of Entomologists, held from July 24 to 26, inclusive. Collecting area included Red Rock Canyon and Cameron Lake, as well as the general area of the town which included Cameron Falls. The writer is indebted to Lt. F. C. Harmston for checking upon the identity of the species listed below.

At Waterton National Park between July 23 and 26, the following species were taken: *Scellus amplus* Cur., *S. filiferus* Lw., and *S. vigil* O. S.; *Dolichopus amphericus* M.-B., *D. aldrichi* Whlr., *D. coloradensis* Aldr., *D. coquiletti* Aldr., *D. nigricoxa* Van D., *D. reindescens* M.-B., and *Tachytrechus bipunctatus* Gr.

Outside the National Park and along the highway to Pincher Creek, in Alberta, *Scellus amplus* Cur., *S. filiferus* Lw., *Dolichopus bifractus* Lw., *D. coloradensis* Aldr., and *D. procerus* Van D. were collected, on July 26, 1946.

*Scellus monstrosus* O. S. was taken on July 21, 1946, in Yellowstone National Park, Wyoming. At Pine Creek Pass, Idaho, on July 20, *Dolichopus sufflavus* Van D., *Diaphorus palpiger* Whlr. and *Sympycnus cuprinus* Whlr. were taken. At Victor, Idaho, July 20, *Dolichopus plumipes* Scop. was collected.—GEORGE F. KNOWLTON, Logan, Utah.